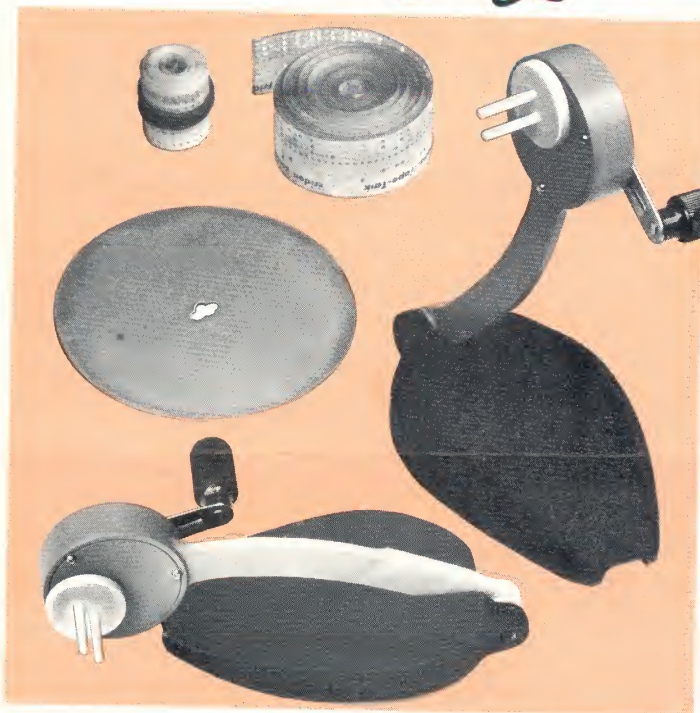




TAPE WINDER



WINDER FOLDS FLAT TO 7" x 3" x 2 $\frac{3}{4}$ "
for easy, safe storage in a drawer when not
in use.

Complete your Numerically Controlled Tape system with the economical, easy-to-use Tape-Stor Tape Winder. Any operator can quickly wind tape into convenient-to-store rolls with this all metal, hand operated winder.

The Tape-Stor Tape Winder has a reel capacity of up to eight inches in diameter. Back-up plates for holding the tape in position when winding are furnished.

The winder features 3 to 1 ratio nylon gears for quiet, smooth winding action. No lubrication is ever needed. The heavy base is provided with a non-slip, non-mar felt protector. The base measures 3" x 5". Overall height is seven inches.

With a weight of only 2 $\frac{1}{2}$ pounds, the Tape-Stor Winder is easy to move to any location. However, valuable worker time can be saved, and tapes better protected by having a Winder at every N.C. machine location. Cost of the Winder is \$20.00



PRECISION PERFECT TAPES

TYPE	STOCK NUMBER	ROLL SIZES	STANDARD COLOR*	PRICES PER ROLL**	PRECISION PERFECT SPECIFICATIONS	SOME OF THE MANY FEATURES OF P.P.T.
P-M-P (Paper-Mylar-Paper)	PMP 300	1" x 1000'	BLUE-BLUE	1-10 \$22.00 ea. 11-20 \$20.90 ea. 21 and up \$20.00 ea.	WIDTH 1" TOLERANCE +.000 —.002 CORE 2" HARDENED CALIPER .004 ULTIMATE TENSILE STRENGTH 60,000 psi STRESS TO PRODUCE 5% ELONGATION 33,000 psi	IDEAL FOR MASTER TAPE OR FOR LONG PRODUCTION RUN. FOR USE IN EQUIPMENT DEMANDING SUDDEN STOPS. NO GUMMING
M-A-M (Mylar-Aluminum-Mylar)	MAM 400	1" x 1000'	RED-SILVER	1-10 \$20.50 ea. 11-20 \$20.10 ea. 21 and up \$19.70 ea.	WIDTH 1" TOLERANCE +.000 —.002 CORE 2" HARDENED CALIPER .0034 ULTIMATE TENSILE STRENGTH 77,500 psi STRESS TO PRODUCE 5% ELONGATION 43,000 psi	IDEAL FOR MASTER TAPE OR FOR LONG PRODUCTION RUN. "PIN HOLE" FREE. BEST HANDLING. RESISTS ACIDS, GREASES AND OIL. NO GUMMING.
M-M (Metalized Mylar)	MM 500	1" x 1200'	BLUE-SILVER	1-10 \$24.50 ea. 11-20 \$23.75 ea. 21 and up \$22.99 ea.	WIDTH 1" TOLERANCE +.000 —.002 CORE 2" HARDENED CALIPER .003 ULTIMATE TENSILE STRENGTH 77,500 psi STRESS TO PRODUCE 5% ELONGATION 43,000 psi	IDEAL FOR MASTER TAPE OR FOR LONG PRODUCTION RUN. METALIZED MYLAR IS RECOMMENDED BY LEADING EQUIPMENT MANUFACTURER. NO GUMMING.

*Color code your tapes with Tape-Stor Color Coded Tape. Additional colors available.
Prices on oiled or unoled paper tape available on request.

**Prices quoted include freight in continental U.S.A.



Representative

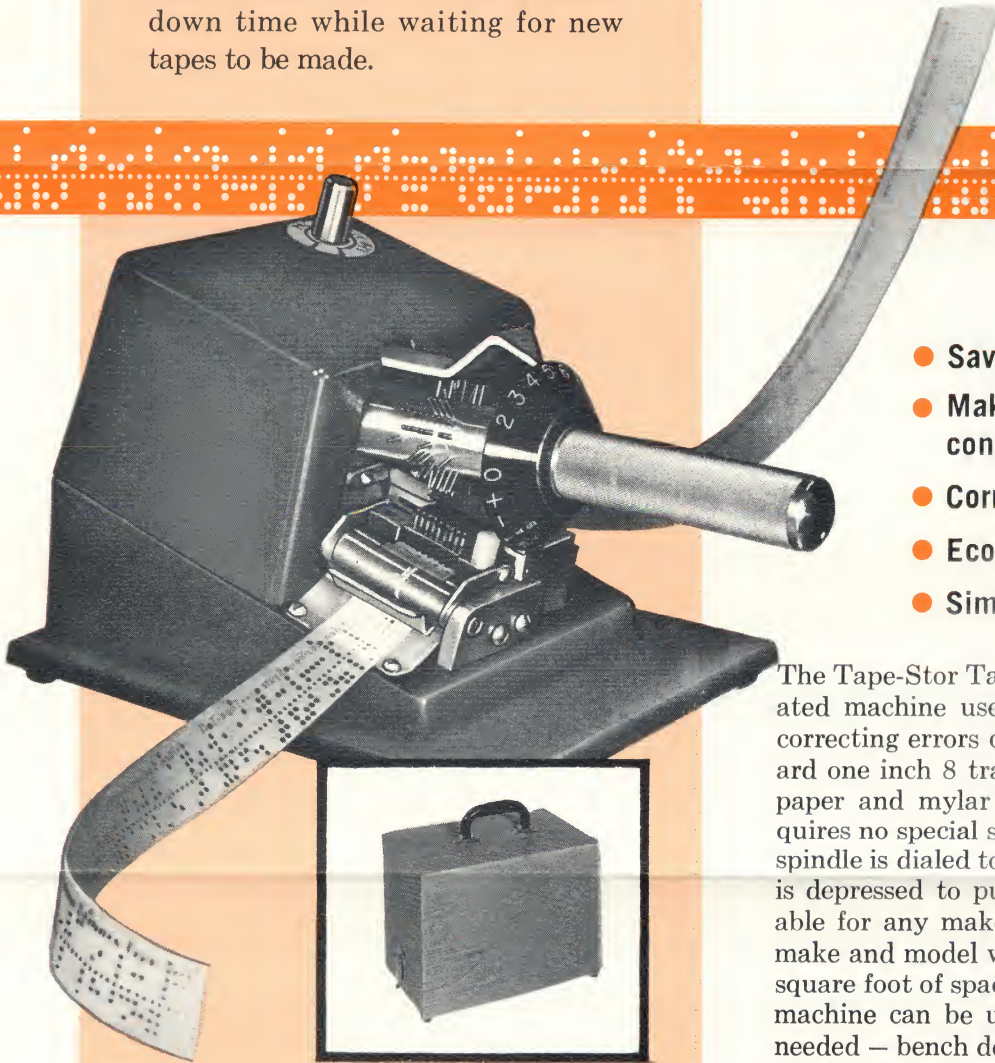
MONEY SAVING • TIME SAVING NUMERICAL CONTROL TAPE APPLIANCES

Tape-Stor appliances were designed and developed specifically for easier, more economical processing of or correcting tapes used in numerically controlled machines. Each is simple to operate, requires but a small investment to own and will save you many dollars now lost in machine down time while waiting for new tapes to be made.



TAPE PUNCHER

(Patented)



- Saves Machine Down Time
- Makes tapes for any numerically controlled machine
- Corrects tape errors
- Economical to own
- Simple and fast to operate

The Tape-Stor Tape Puncher is a versatile, hand operated machine used for punching new tapes and for correcting errors on existing tapes. Makes EIA standard one inch 8 track tape, 20 signals or less. Punches paper and mylar tapes. The Tape-Stor Puncher requires no special skills to operate . . . the manually set spindle is dialed to desired signal and operating handle is depressed to punch tapes. Punch guides are available for any make of machine tool. Specify machine make and model when ordering. Occupying about one square foot of space and weighing only 11 pounds, this machine can be used anywhere in your plant where needed — bench department, inspection department or model shop. Tape-Stor Tape Puncher is ruggedly built with punches and die sections made of air hardened tool steel and nitrided. One year guarantee. Price including one punch guide \$510.00 F.O.B. Minneapolis. Additional punch guides available at \$62.50 each F.O.B. Minneapolis.

CARRYING CASE Handsome, sturdy wood construction. Protects your Puncher at all times . . . provides easy portability. Price \$35.00 F.O.B. Minneapolis.



TAPE-STOR

Division of HELPS CO.

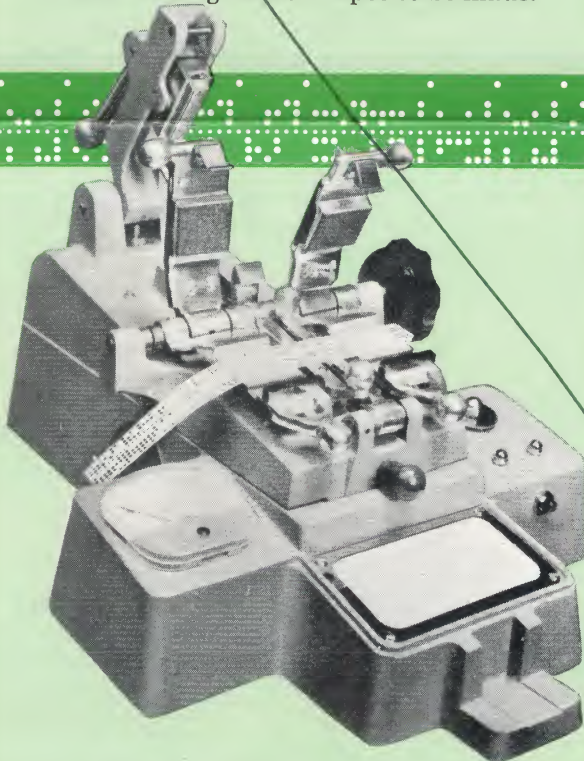
POST OFFICE BOX 21067
MINNEAPOLIS, MINNESOTA 55421

A new addition to the system that grows with your numerical control needs

Tape-Stor appliances were designed and developed specifically for easier, more economical processing of or correcting tapes used in numerically controlled machines. Each is simple to operate, requires but a small investment to own and will save you many dollars now lost in machine down time while waiting for new tapes to be made.



TAPE SPLICER



ANYONE CAN OPERATE — 1. Align tape end in splicer, secure with clamp and swing tape back to fusing position. 2. Align other end, clamp, cut out undesired tape, and swing back to fusing position. 3. Pull down head to apply pressure, press heat cycle button and release pressure assembly.

- 180 strong, perfectly aligned splices per hour.
- Use for paper, paper-Mylar-paper, metalized Mylar, etc.
- Splice made by electrical fusion.
- No messy adhesives, cement or patches.
- Tape runs smoothly thru mechanical and optical readers.

The Tape-Stor Tape Splicer splices paper and Mylar tapes with a precision perfect splice that will never break either while running or from sudden stops. This is possible because our compressed splicing is accomplished through electrical fusion. No visible splice thickness is produced to jam up readers or catch in sprockets. Ends are sealed in perfect lateral alignment eliminating redos because of poor splice line-up. Use splicer for mending tears, splices, new information insertions and corrections. Information is never lost, destroyed or distorted which can happen when replacement tapes are made. Wherever efficient, permanent splicing is required for Mylar or paper tapes in office-machines, shop-machines or computers you can rely on the Tape-Stor Tape Splicer.

Price: \$785.00, F.O.B. Minneapolis, Minn.

SEND US ONE OF YOUR TAPES FOR A FREE SPLICING SAMPLE

Microfilm splicers and computer tape splicers available — write for information

SPECIFICATIONS

Synchronous motor timer with automatic reset. Pushbutton operation. Precision ammeter. Heavy duty cast base. Baked wrinkle finish. 100/120 VAC — 60 cycle. 100 watts. Fused in primary circuit. 9" high x 11½" wide x 18⅞" long. Net weight 17½ pounds.



TAPE-STOR

Division of HELPS CO.

Post Office Box 21067
Minneapolis, Minnesota 55421

Add-a-Drawer Microfilm Storage Cabinets

BASE UNIT MODEL ABC-350 TWO DRAWER CABINET

or
Film Core

Keep your valuable microfilm stored and filed in this all metal Add-A-Drawer Cabinet that provides safe, dust-free protection at all times. Cartridges are filed on end for easier access and larger storage capacity. Cabinets have office grey finish with anodized aluminum drawer facings. Base unit consists of two drawers and a removable cover. Each 4 $\frac{7}{8}$ " high drawer will hold 70 standard 16 mm. or 44 - 35 mm. cartridges. Over-all size is 24 $\frac{1}{2}$ " wide, 16 $\frac{5}{8}$ " deep and 10" high. Approximate shipping weight 48 lbs. Price \$79.50 F.O.B. Minneapolis. (Does not include cartridges.)



ADD-A-DRAWER UNIT MODEL ADU-351. This two drawer unit matches and fits on above base or any other Tape-Stor unit by simply removing the cover from the base, inserting anchoring screws, setting on Add-A-Drawer unit and replacing the cover. Takes only a screwdriver to do the job. Approximate shipping weight 37 lbs. Price \$65.00 F.O.B. Minneapolis. (Does not include cartridges.)

BASE UNIT MODEL ABC-450 FOR LARGE PLASTIC BOXES

Here is an Add-A-Drawer unit designed to increase filing capacity for large size plastic boxes. Identical size and construction as Model ABC-350. Each drawer of this two drawer unit holds 108 No. 4 boxes or 43 No. 5 boxes when filed on end. See box sizes below. Approximate shipping weight 58 lbs. Price, including plastic boxes (specify size) \$107.50 F.O.B. Minneapolis.



ADD-A-DRAWER UNIT MODEL ADU-451. Double your filing capacity by adding this two-drawer unit. Add one or more as the need arises. Approximate shipping weight including plastic boxes 47 lbs. Price \$93.00 each two drawer unit F.O.B. Minneapolis.

PLASTIC BOX SIZES

MODEL	SIZE	TAPE CAPACITY	NO. PER DRAWER
No. 4	4 $\frac{1}{2}$ " x 2 $\frac{1}{4}$ " x 1 $\frac{1}{4}$ "	130' Loop	108
No. 5	4 $\frac{5}{16}$ " x 4 $\frac{5}{16}$ " x 1 $\frac{3}{8}$ "	540' Roll	43



REPRESENTATIVE